

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
5 August 2004 (05.08.2004)

PCT

(10) International Publication Number
WO 2004/064738 A3

(51) International Patent Classification⁷: **C07D 211/06**,
A61K 31/4468, A61P 25/14, 25/16, 25/18, 25/28, 25/24,
25/06

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(21) International Application Number:
PCT/US2004/001234

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(22) International Filing Date: 15 January 2004 (15.01.2004)

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/441,406 16 January 2003 (16.01.2003) US
60/479,346 17 June 2003 (17.06.2003) US

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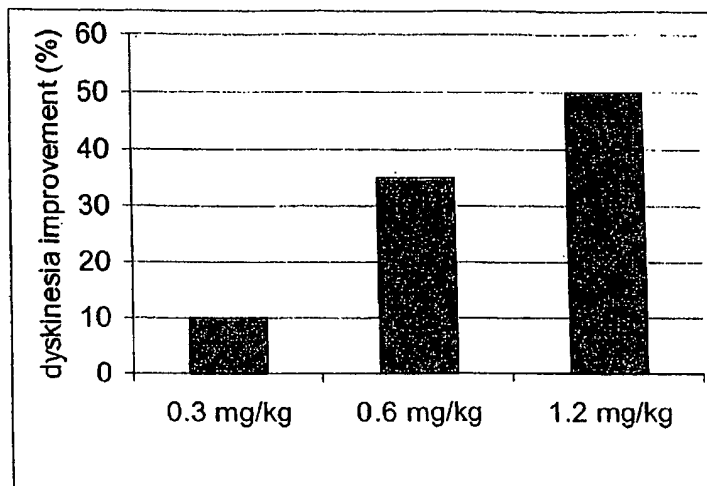
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

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[Continued on next page]

(54) Title: SELECTIVE SEROTONIN 2A/2C RECEPTOR INVERSE AGONISTS AS THERAPEUTICS FOR NEURODEGEN-
ERATIVE DISEASES



(57) Abstract: Behavioral pharmacological data with the compound of formula (I), a novel and selective 5HT_{2A/2C} receptor inverse agonist, demonstrate *in vivo* efficacy in models of psychosis and dyskinesias. This includes activity in reversing MK-801 induced locomotor behaviors, suggesting that this compound may be an efficacious anti-psychotic, and activity in an MPTP primate model of dyskinesias, suggesting efficacy as an anti-dyskinesia agent. These data support the hypothesis that 5HT_{2A/2C} receptor inverse agonism may confer antipsychotic and anti-dyskinetic efficacy in humans, and indicate a use of the compound of formula (I) and related agents as novel therapeutics for Parkinson's Disease, related human neurodegenerative diseases, and psychosis.

WO 2004/064738 A3



Published:

— with international search report

(88) Date of publication of the international search report:

25 November 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/US2004/001234

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D211/06 A61K31/4468 A61P25/14 A61P25/16 A61P25/18
A61P25/28 A61P25/24 A61P25/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K C07D A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	US 3 983 234 A (SAYERS ANTHONY CAMPBELL) 28 September 1976 (1976-09-28) column 1, line 1 - line 17	9-13, 17-20
X	FRIEDMAN J H: "Clozapine treatment of psychosis in patients with tardive dystonia: report of three cases" MOVEMENT DISORDERS OFFICIAL JOURNAL OF THE MOVEMENT DISORDER SOCIETY, vol. 9, no. 3, 1 May 1994 (1994-05-01), pages 321-324, XP009032726 page 321, right-hand column, paragraph 3 page 323, right-hand column, paragraph 3 ----- -/--	25-28

☒ Further documents are listed in the continuation of box C.

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Date of the actual completion of the international search

14 July 2004

Date of mailing of the international search report

08/09/2004

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/US2004/001234

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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X	YOSHIDA K ET AL: "Marked improvement of tardive dystonia after repoacing haloperidol with risperidone in a schizophrenic patient" CLINICAL NEUROPHARMACOLOGY, vol. 21, no. 1, 1998, pages 68-69, XP009032725 page 69, left-hand column - right-hand column	25-28
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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/001234

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>HERRICK-DAVIS ET AL: "Inverse Agonist Activity of Atypical Antipsychotic Drugs at Human 5-Hydroxytryptamine_{2C} Receptors" THE JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS, vol. 295, no. 1, October 2000 (2000-10), pages 226-295, XP001182089 figures 1-3 table 1</p> <p>-----</p>	1-86

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International Application No

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